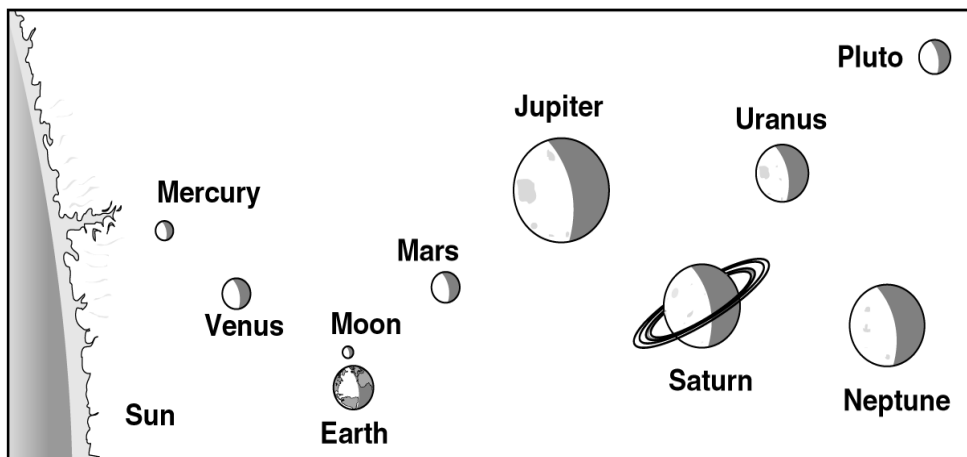


Gravity

Lesson Review

The diagram below shows the Sun and the nine planets in the solar system, including the moon. Use the diagram to answer the following questions.



1. Which body probably has the greatest mass? _____

2. Which body probably has the smallest mass? _____

3. Based on your answer to Question 1, which body has the strongest force of gravity? _____

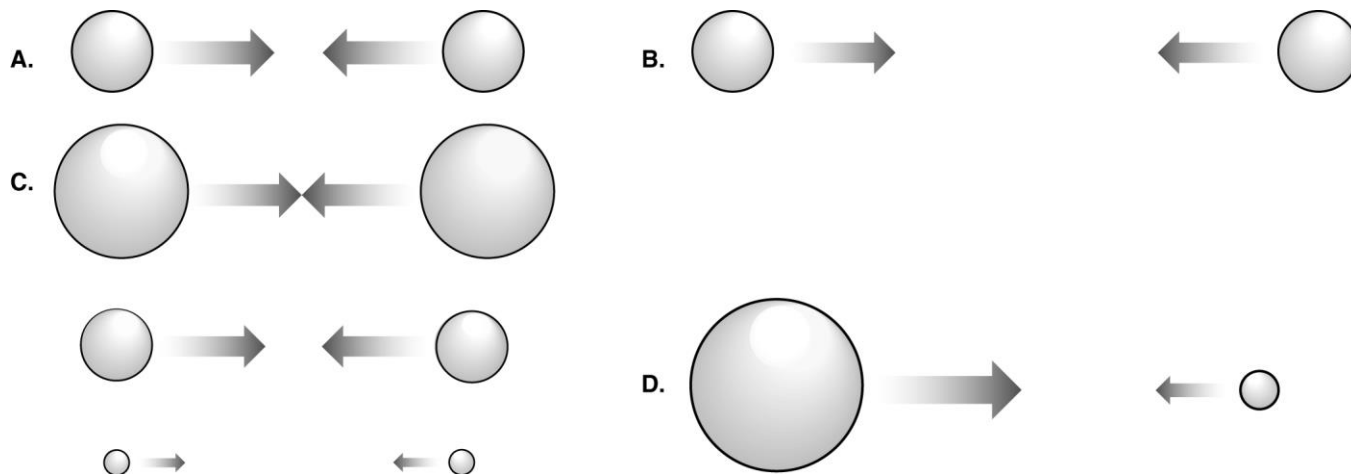
4. Based on your answer to Question 2, which body has the weakest force of gravity? _____

5. On which body would you weigh the most? _____

6. On which body would you weigh the least? _____

Gravitational Force

The diagrams below show several important properties of gravitational force. In each picture, the sizes of the arrows are related to the size of the forces between the objects. The larger the size of the object, the larger its mass. Study the diagrams. Then, answer the questions.



1. Look at Figures A and B. What is the same in both pictures? _____

2. How do Figures A and B differ? _____

3. What important property of gravity is shown in Figures A and B? _____

4. Look at Figure C. How are the three pairs of objects different? _____

5. What property of gravity is shown in Figure C? _____

6. How do the two objects in Figure D differ from each other? _____

7. What does figure D tell you about gravity? _____
